Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Friday 14 Jan 2022 until 23:59 on Saturday 15 Jan 2022

Forecast Issued on Thursday 13 Jan 2022 at 15:38

Confidence: High for mostly settled Friday, also for some rain over the weekend, then largely dry and occasionally clear from Monday, but lowering confidence for detail, particularly for the cloud from Monday.

Headline for Friday 14 Jan 2022: Mainly dry, occasionally bright start. Turning cloudier with chance patchy rain later. Winds relatively light.

Mountain weather hazards on Friday 14 Jan 2022

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
Precipitation probability							
10%	10%	10%	10%	20%	20%	20%	20%

Forecast for Friday 14 Jan 2022

Weather: Mostly dry at first with best of the clear then brighter spells appearing across eastern ranges. However cloud tending to build from the north from mid-day, bringing an increasing risk of some patchy light rain, particularly across western ranges, also turning wintry across highest summits.

Chance of cloud free mountain/hill tops above 800m: Initially 25% in the west and 75% in the east, becoming later 10% in the west and 35% in the east.

Visibility: Good to very good, becoming moderate or poor in patchy rain in west, very poor in cloud with bases occasionally lowering 500m in the west, infrequently in the east.

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Mountain Weather Forecast

Forecast for Friday 14 Jan 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	17/20 SW	13/16 SW	8/10 NE	5/7 S	6/9 S	8/10 SE	12/15 SE	16/20 S	17/22 S
600	13/17 SW	11/15 SW	5/7 SW	4/5 S	5/8 S	4/6 SE	6/9 S	10/13 S	12/16 S
300	4/13 W	4/12 W	2/5 W	2/4 S	3/6 S	1/5 SE	3/8 S	3/11 S	4/12 S
Valley	3/11 W	3/9 W	1/4 NW	2/4 S	2/5 S	2/3 S	2/6 S	2/8 SE	2/9 SE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	0/-6	1/-4	2/-2	2/-0	2/-1	1/-2	2/-3	1/-5	0/-5
600	2/-3	2/-2	2/0	3/1	2/0	2/1	2/-0	1/-3	1/-4
300	4/2	4/2	3/2	2/1	4/3	4/3	2/1	2/0	1/-1
Valley	6/5	6/5	5/4	4/3	6/5	6/5	4/2	3/2	2/1
Freezing Level*	1500m	1200m	1200m	1200m	1100m	1000m	900m	800m	800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Nothing to add.

Forecast for Saturday 15 Jan 2022

Weather: Details may shift in subsequent forecasts but current thoughts are for a largely dry and occasionally bright morning, then tending to cloud over, bringing an increasing risk of patchy rain later in the day, falling as snow above around 800m.

Maximum wind: South or Southwest 15-20mph.

Chance of cloud free mountain/hill tops above 800m: 70% becoming 20% late in the day.

Visibility: Good to very good, becoming moderate or poor in later rain, very poor snow and within cloud with bases occasional lowering 500m, mostly later in the day.

Temperature: **Valleys:** Minus 3 Celsius increasing 7 Celsius during the afternoon
At 800m: Zero to Plus 1 Celsius
Freezing level: 800-1000m

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Thursday 13 January 2022. Location:Helvellyn summit at 14:45. A sunny day on the Lake District hills but a bitingly cold westerly wind kept folk on the move. The west of the national park had a fair bit of summit cloud but the eastern fells were clear.

Many fells are now clear of snow up to summit level especially on south and west facing slopes. However crampons and an ice axe are still strongly recommended for anyone venturing onto or above steep or exposed terrain, as the remaining snowpack is becoming a serious proposition as it refreezes and consolidates. This includes Striding & Swirral Edge on Helvellyn

The old snow is generally to be found on steep north through east aspects above 650m. An overnight freeze meant that much of it had an icy crust which only thawed slowly throughout the day. Where the snow has been compressed by walkers feet it is now hard and icy creating an obvious hazard on many paths and the Helvellyn Edges.

The Helvellyn plateau was clear of snow but small slumping cornices still exist above easterly aspects which should be given a wide berth.

Overnight temperatures on the summits are likely to be close to or below freezing, therefore full winter clothing (warm and waterproof) including spare warm layers, hats and gloves, and equipment including a headtorch, map, and compass are all essential plus an ice axe & crampons if your planned route could potentially take you onto snow or steep and exposed terrain.

Temperature: Plus 0.1 C, Maximum wind speed 29.6 mph, Wind chill: minus 9.2 C, Average wind speed: 25.3 mph.

Issued at: 1538 on Thu 13 Jan 2022

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